Department of Energy
Ohio Field Office
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

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FEB 27 2003

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0230-03

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

TRANSMITTAL OF RESPONSES TO THE OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY REPORT FOR 2002 (NOVEMBER 2002)

This letter transmits the subject comment responses to the Department of Energy (DOE) for review and subsequent transmittal to the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA). Previously, IEMP-related comment responses were transmitted with subsequent IEMP reports; however, with the semi-annual reporting structure, comment responses may be submitted independently to minimize the lag time in receipt. The next IEMP-related report will be the 2002 Site Environmental Report to be submitted to the USEPA and OEPA by June 1, 2003. Additionally, IEMP data continues to be provided on the IEMP Data Information Site, at http://iempdata.fernald.gov.

If you have any questions concerning the enclosed document or the IEMP Data Information Site, please contact Kathleen Nickel at (513) 648-3166. Questions on the IEMP Data Information Site can also be addressed by clicking on the "Data Questions" e-mail link found at the top of the IEMP Data Information Site screen.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FCP:Nickel

Enclosure: As Stated

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cc w/enclosure:
R. J. Janke, OH/FCP
K. Nickel, OH/FCP
T. Schneider, OEPA-Dayton (three copies of enclosure)
G. Jablonowski, USEPA-V, SRF-5J
F. Bell, ATSDR
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:
R. Greenberg, EM-31/CLOV
N. Hallein, EM-31/CLOV
D. Brettschneider, Fluor Fernald, Inc./MS52-5
D. Carr, Fluor Fernald, Inc./MS2
M. Frank, Fluor Fernald, Inc./MS90
T. Hagen, Fluor Fernald, Inc./MS9
W. Hertel, Fluor Fernald, Inc./MS52-5
S. Hinnefeld, Fluor Fernald, Inc./MS52-2
M. Jewett, Fluor Fernald, Inc./MS52-5
T. Poff, Fluor Fernald, Inc./MS65-2
ECDC, Fluor Fernald, Inc./MS52-7

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RESPONSES TO OEPA COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY REPORT FOR 2002

FERNALD CLOSURE PROJECT
FERNALD, OHIO

FEBRUARY 2003

U.S. DEPARTMENT OF ENERGY

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RESPONSES TO OEPA COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY REPORT FOR 2002

COMMENTS

1. Commenting Organization: Ohio EPA — Commentor: GeoTrans, Inc.
   Section #: 2.0 — Pg.#: 2-5 — Line #: 3 — Code: C
   Original Comment #: 1
   Comment: The text should indicate references or a web site providing information regarding the "other sites" where the Enhanced Anaerobic Reductive Technology has been used successfully.
   Response: The first ARCADIS field scale uranium precipitation project is being performed on a commercial basis for a government contractor facility in Erwin, Tennessee; see http://www.epa.gov/epaoswer/hazwaste/ca/success/r4s_nucl.pdf.
   Action: Web site is provided in response.

2. Commenting Organization: Ohio EPA — Commentor: GeoTrans, Inc.
   Section #: 2.0 — Pg.#: 2-5 — Line #: 14 — Code: E
   Original Comment #: 2
   Comment: The text should quantify what is meant by "high" turbidity. Is there a specific turbidity level used as the cut off for determining if a particular concentration measurement is used in drawing the plume map?
   Response: As prescribed on Page 3-48 of the IEMP, Rev. 3, a sample is filtered if the turbidity of the unfiltered sample is higher than 5 NTUs. In drawing the plume maps, filtered values are compared to unfiltered values if filtered values are available. If the difference between filtered and unfiltered is such that it does not cause a contour change on the plume map then the unfiltered value is used in order to facilitate the map posting process.
   Action: As explained in response.

3. Commenting Organization: Ohio EPA — Commentor: GeoTrans, Inc.
   Section #: 3.0 — Pg.#: 3-2 — Line #: 36 — Code: C
   Original Comment #: 3
   Comment: If perched water is a source for flow into the Cell 1 and Cell 5 LDS layers how would the perched water likely enter the LDS layers? Would it overlap the cell perimeter or could there potentially be leaks in the secondary liner?
   Response: The water level data collected to date indicate the perched water levels are not high enough to overlap the cell perimeter. Therefore, if perched water is leaking into the LDS layer, it is most likely occurring through defects in the secondary liner.
   Action: No action required.